

Exam. Code : 206603

Subject Code : 5145

M.Sc. Bio-Informatics 3rd Semester

GENOMICS AND PROTEOMICS

Paper—BI : 631

Time Allowed—3 Hours]

[Maximum Marks—75

SECTION—A

Note :- Attempt **all** the questions.

1. Write short notes on :

(i) Eukaryotic genome

(ii) Human genome

(iii) Genome alignments

(iv) Pip marker

(v) Genetic map

(vi) RAPD

(vii) Genomics

(viii) Micro arrays

(ix) PIM

(x) GRID.

1½×10=15

SECTION—B

Note :- Attempt **five** questions.

2. Discuss the anatomy of prokaryotic genome.

OR

Discuss the Stanford micro array database.

3. Discuss the genome alignment BLAST2.

OR

Discuss the comparative genomics database XREFdb.

4. Discuss the mini satellite genetic markers.

OR

Discuss the STS.

5. Discuss the proteomics technology.

OR

Discuss the bioinformatics in proteomics technology.

6. Discuss the protein-protein interaction networks.

OR

Discuss the general repository for interaction datasets.

12×5=60